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## FACSIMILE TRANSMITTAL SHEET

**TO:** Examiner Lee S. Cohen

**FIRM/COMPANY:** U.S. Patent and Trademark Office – Mail Stop Amendment

**FACSIMILE NUMBER:** 703.872.9306

**CONFIRMATION  
TELEPHONE:** 703.308.2998

**FROM:** Anne Marie Leavy for Edward J. Lynch

**DIRECT DIAL:** 415.371.2217

**DATE:** March 7, 2005

**USER NUMBER:** 5121

**FILE NUMBER:** Docket No. R0370-02300

**TOTAL # OF PAGES:** 75  
(INCLUDING COVERSHEET)

**MESSAGE:** Attached is an Amendment in Response to the Office Action mailed 10/7/04 and three Declarations in connection with Appln. Serial No. 09/847,181 – Filed on May 1, 2001.

*Please confirm receipt of this facsimile.*

**NOTE:** Original will NOT follow

**CONFIDENTIALITY NOTICE**

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of *Hill et al.*For: **HELICALLY SHAPED  
ELECTROPHYSIOLOGY CATHETER**

Serial No.: 09/847,181

Filed: May 1, 2001

Atty. Docket No.: R0370-02300

) Examiner: L. S. Cohen

) Group Art Unit: 3739

) **TRANSMITTAL**

## CERTIFICATE OF MAILING/FACSIMILE PURSUANT TO 37 C.F.R. §1.8

I hereby certify that this these papers are being sent by facsimile to (703) 872-9306, addressed to Examiner Lee S. Cohen, at Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March 7, 2005, in San Francisco, CA.

  
 Anne Marie Leavy

Mail Stop Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

1. Transmitted herewith for filing in the above-identified patent application is an Amendment in Response to Office Action Mailed 10/07/2004 and Declaration by Inventors under 37 CFR §1.131.

2. Claim Fee Calculation

☒ No additional claim fee is required.  
☐ Amendment increases number of claims or multiple dependencies.

## Additional Claim Fee Calculation

Description	Fee Code	Claims	Extra	Rate	Fee
Independent Claims	2201	3 - 5 =	0 x	\$100=	\$ 0
Total Claims	2202	26 - 32 =	0 x	\$25=	\$ 0

Total Fees Due.....\$ -0-

3. Additional fees: Request for Extension of Time for two (2) months from January 7, 2005 to March 7, 2005 pursuant to 37 CFR 1.17(a)(2).....\$225.00

4. Payment of Fees

☐ Enclosed is a check for the total fees due in the amount of \_\_\_\_.  
☒ The Commissioner is authorized to charge any additional fees and to credit any overpayment of fees which may be required under 37 C.F.R. §1.16 or §1.17, to Deposit Account No 04-1679, referencing Atty. Docket No. R0370-02300.  
 A duplicate copy of this document is enclosed.

By: 

Edward J. Lynch  
 Registration No. 24,422

Duane Morris LLP  
 One Market  
 Spear Tower, Suite 2000  
 San Francisco, CA 94105  
 Direct Dial: (415) 371-2267  
 Facsimile: (415) 371-2201  
 SF71108.1

# Heller Ehrman

ATTORNEYS

March 16, 2001

*Via Federal Express*

Eric K. Y. Chan, Ph.D.  
Vice President, Product Development  
Cardima, Inc.  
47266 Benicia Street  
Fremont, CA 94538-7330

Nita J. Miller  
nmiller@hewm.com  
(650) 324-7107  
Main (650) 324-7000  
Fax (650) 324-0638

Our Ref.: 22963-1290

Re: Draft U.S. Patent Application for  
**HELICALLY SHAPED ELECTROPHYSIOLOGY CATHETER**  
Inventors: Hill et al.

Dear Dr. Chan:

Enclosed is a draft application for review by the inventors. Each of the inventors should carefully review the draft and provide us with their comments. In addition, each of the inventors need to write-in their residence address and citizenship where indicated on the *Notice to Inventors When Reviewing this Draft Application*.

We will finalize the application once we have received comments on the draft. Should you have questions, please call.

Sincerely,



Nita J. Miller  
Patent Assistant

Enclosure

287093 v01.SV (655T011.DOC)  
3/16/01 10:56 AM (22963-1290)

**Exhibit A**

Heller Ehrman White & McAuliffe LLP 275 Middlefield Road Menlo Park, California 94025-3506 www.hewm.com

San Francisco Silicon Valley Los Angeles San Diego Seattle Portland Anchorage New York Washington D.C. Hong Kong Singapore  
Affiliated Counsel Offices: Milan Rome Paris Padua Naples

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From: HELLER EHRMAN WHITE & MCAULIFF (850)324-7000  
 HELLER EHRMAN WHITE & MCAULIFF LLP  
 275 Middlefield Road

SHIPPER'S FEDEX ACCOUNT #



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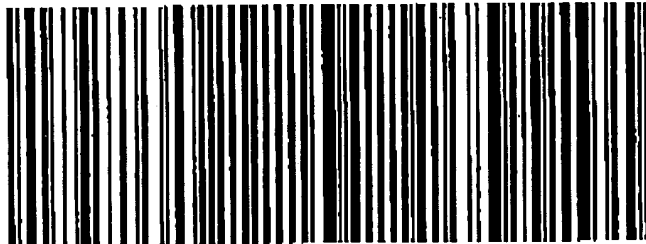
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Mark, Priscilla H.

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From: Eric Chan [eric.chan@cardima.com]  
Sent: Monday, April 23, 2001 5:19 PM  
To: Priscilla Mark  
Subject: Unipolar/Bipolar Usage

CONFIDENTIAL  
RE: page 6 of patent application

Priscilla:

I am sending you some text to clarify electrode usage for the HELIX catheter. My handwritten notes are too messy perhaps. You will get a fedex package at Heller Ehrman by Wednesday AM. In it will be a current preferred embodiment drawing. I have also substituted Tim Huynh in place of Gabriel Vegh in the inventor list. ~ Thanks, Eric

"Preferably the electrodes on the helically shaped distal shaft section are configured by using a multiplexing switchbox for unipolar use during ablation, and bipolar use during sensing (mapping). The electrodes on the EP device shaft distal to the helical segment may be configured in a unipolar mode or bipolar mode for pacing and sensing. In the unipolar pacing/sensing mode, a separate, return electrode which is not on the EP device shaft but which is in contact with the exterior surface of the patient's body is used."

6/6

Sent e-mail to eric chan requesting inventor addresses, etc.

Plu 6/13/01